

-4- (WPAT)

AN - 89-003120/01

XRAM- C89-001410

TI - Mouth adherent compsn. to prevent bad breath - comprises water sol. high mol. wt. shape retaining base contg. cyclodextrin with pendant maltose gps.

DC - A96 D21

PA - (SEKI) SEKISUI CHEM IND KK

NP - 1

PN - J63280014-A 88.11.17 (8901) {JP}

PR - 87.05.12 87JP-115585

AB - (J63280014)

A new sticking agent compsn. prevent bad breath contains (S) a water-soluble shape retaining base agent with flexibility at least when absorbing water and adhesring to the mouth mucous membrane and (B) 3 wt.% or more cyclodextrin and/or its deriv. The base agent consists of a water-soluble, physiologically inactive high molecular cpd. and a physiologically inactive, moisture-retaining softener. The cyclodextrin is alpha-, beta-, or gamma-type and its deriv. is the one having one or more maltoses as side chain.

USE - Provides a compsn. with a powerful effect of controlling even strong smell over a long time. (6pp Dwg.No.0/2)

Oral odor-controlling patch compositions. Kishi, Takashi; Iwakawa, Masaharu. (Sekisui Chemical Co., Ltd., Japan). Jpn. Kokai Tokkyo Koho, 6 pp. CODEN: JKXXAF. JP 63280014 A2 881117 Showa. Patent written in Japanese. Application: JP 87-115585 870512. CAN 111:83911

Abstract

Oral odor-controlling patch compns. contain cyclodextrin (and /or its derivs.) and a shape-retaining substrates which are H₂O-sol., and softened when absorbed H₂O, and have good adhesion to oral mucosa. The compns. control oral odor for a prolonged time and cause no adverse effects on mucous membrane. H₂O-EtOH soln. contg. 28 parts Pullulan PI-20 (polymaltotriose), aq. soln. contg. 4 parts Junlon PW-110 (carboxyvinyl polymer), and aq. soln. contg. 60 parts maltitol were mixed, homogenized with 8 parts glycerin and 15 parts of a mixt. a, b, and g-cyclodextrin (6 : 3 : 1), and overcoated on a hydroxypropyl cellulose-coated film to give a patch. The patch controlled oral odor and completely dissolved in mouth in .apprx.3.5 h.

Patent Classifications: Main IPC: A61K007-32.

Indexing -- Section 62-5 (Essential Oils and Cosmetics)

Deodorants

(patches contg. cyclodextrin (deriv.) and water-sol. substrate, for controlling oral odor)

9003-39-8

9004-32-4

9004-64-2, HPC-M

9057-02-7, Pullulan

82446-45-5, Junlon PW-110 (oral odor-controlling patches contg. cyclodextrin (deriv.) and)

69-79-4D

7585-39-9, b-Cyclodextrin

10016-20-3, a-Cyclodextrin

12619-70-4, Cyclodextrin

12619-70-4D, Cyclodextrin

17465-86-0, g-Cyclodextrin (oral odor-controlling patches contg. water-sol. substrate and)

Supplementary Terms

oral odor control cyclodextrin patch.